



Irw

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: MAIL STOP; AMENDMENTS, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 ON THE DATE INDICATED BELOW:

BY: Anna Scallatino DATE: September 27, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re:	Patent Application of	:
	Charles A. Francis	: Group Art::
		: 1614
Appln. No.:	10/849,696	:
		: Examiner:
Filed:	May 20, 2004	: Not Yet Assigned
		:
For:	PROCESS FOR THE PRODUCTION OF	: Attorney Docket
	OPIATES	: No. 060525-5006-00

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 submitted herewith. A copy of each of the listed references is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

No first Official Action has yet been received and it is presumed that none has yet been mailed. No fee or certification is required. 37 C.F.R. § 1.97(b).

Respectfully submitted,

CHARLES A. FRANCIS

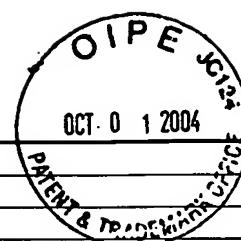
9-29-04
(Date)

By:

CHRISTOPHER I. HALLIDAY
Registration No. 42,621
MORGAN, LEWIS & BOCKIUS, LLP
1701 Market Street
Philadelphia, PA 19103-2921
Telephone: (215) 963-5000
Direct Dial: (215) 963-5337
Facsimile: (215) 963-5001
E-Mail: challiday@morganlewis.com

/ars

Enclosures 22 references

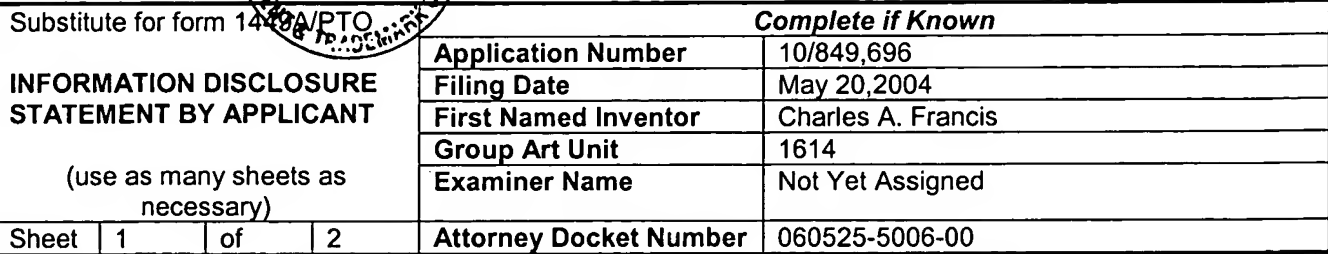


Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/849,696	
			Filing Date	May 20, 2004	
			First Named Inventor	Charles A. Francis	
			Group Art Unit	1614	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	2	Attorney Docket Number	060525-5006-00

U.S. PATENT DOCUMENTS				
Exr Initials	U.S. Patent Document		Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
	Number	Kind Code (if known)		
	6,579,985		HILL, Lloyd P.	06-17-2003
	5,981,750		CORCORAN et al.	11-09-1999
	4,764,615		AYYANGAR et al.	08-16-1988

FOREIGN PATENT DOCUMENTS						
Exr Initials	Foreign Patent Document			Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ₁
	Country Code	Number	Kind Code (if known)			
	DE	418,391		Merck Chemische Fabrik in Darmstadt	09-09-1926	
	DE	247,180.		C. H. Boehringer Sohn in Nieder Ingelheim	05-21-1912	
	DE	39.887		ALBERT KNOLL. P.	06-04-1887	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exr Initials	Include Name of Author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ₁
	BROCHMANN-HANNSEN, E. et al., "Biosynthetic conversion of Thebaine to Codeine and Role of Codeine Methyl Ether," <i>J. Pharm. Sci.</i> , 1967, Vol. 56, pp. 1207-1208.	
	CARLSEN et al., "o-Methylation With Phenyltrimethylammonium Chloride," <i>Acta Chemica Scandinavica</i> , 1997, Vol. 51, pp. 343-344.	
	DEBSKA, W. et al, "Determination of Codeine Methyl Ether in Commerical Codeine," <i>Chem. Anal. (Warsaw)</i> , 1979, Vol. 24, pp. 407-413.	
	GRIMAUUX, M., "Chime Organique. – Sur La Transformation De La Morphine En Codeine Et An Bases Homologues," <i>C.R. Acad. Sci.</i> , 1881, Vol. 92, pp. 1140-1143.	
	HEUMANN, W., "The Manufacture of Codeine From Morphine," <i>Bull. Narcotics</i> , 1958, Vol. 3, pp. 15-17.	
	HUGHES, E.D. et al., "Influence of Poles and Polar Linkings on the Course Pursued by Elimination Reactions. Part XIII. Decompositions of Some Quaternary Ammonium Salts Containing the Methyl, Benzyl, and Benzhydryl Groups, <i>J. Chem. Soc. (London)</i> , 1933, Vol. 1, pp. 69-75	
	IKONOVSKI, K, "Preparation of Dihydrocodeine by Methylation of Dihydromorphine Obtained From Some By-products in the Manufacture of Opiates, 1982, Vol. 32, pp. 241-246.	
	IKONOVSKI, K., "Preparation of Codeine by Methylation of Morphine With Phenyltrimethylammonium Methoxide," <i>Acta, Pharm. Jugoslav</i> , 1973, Vol. 23, pp. 169-171.	
	MANNICH, C., " Ueber Methylderivate des Morphins," <i>Arch. Pharm.</i> , 1916, Vol. 254, pp. 349-363	
	PFEIFER, S., "Über die Verunreinigung von Kodein mit Methylkodein," <i>Pharmazie</i> , 1963, Vol. 18, pp. 409-410	
	PHILLIPS, M.A., "Methylation of Morphine, <i>Chemist Druggist</i> , 1965, Vol. 183, p. 965	
	PROKSA, B. et al, "Identification and Determination of By-products of the Codeine Synthesis," <i>Chem. Zvesti.</i> , 1983, Vol. 37, No. 6, pp. 837-842.	



1-PH/2077401.1